

STEEL FLOOR SLAB AND REPAIRING METHOD OF STEEL FLOOR SLAB

ABSTRACT

PROBLEM TO BE SOLVED: To provide a steel floor slab in which the stress applied to a root part is effectively reduced without lowering its strength, and formation of cracks is prevented, and a repairing method of the steel floor slab.

SOLUTION: A plurality of U-shaped ribs 5 having closed cross sections, respectively, and extending in the longitudinal direction, are arranged in the width direction on a lower surface of a deck plate 3 comprising a floor slab of a travelling road 11. A plurality of horizontal ribs 7 extending in the width direction, respectively, at longitudinal directional intervals are also arranged on the lower surface of the deck plate 3. The steel floor slab 1 provided with the U-shaped ribs 5 and the horizontal ribs 7 is further provided with a reinforcing member 13 which is fitted to a side face of each of the U-shaped ribs positioned between the horizontal ribs 7 in a manner of being extended over the substantially entire longitudinal directional length and an opening 17 which is formed in a lower face of each of the U-shaped ribs 5, positioned between the horizontal ribs 7, in the longitudinal direction in a manner of being extended over at least substantially the same length as the reinforcing member 13.